

Message Text

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61

ORIGIN AF-04

INFO OCT-01 ADP-00 /005 R

66603

DRAFTED BY: AF/ W: JWVINCENT

APPROVED BY: AF/ W RKSHERWOOD

----- 068446

R 151540 Z MAY 73

FM SECSTATE WASHDC

INFO AMEMBASSY DAKAR 0000

C O N F I D E N T I A L STATE 091422

DAKAR FOR DATT

FOLLOWING SENT ACTION MADRID BAMAKO NIAMEY ALGIERS
INFO USAEC/ DMA GERMANTOWN MD DOD AFSX / DOXF ANDREWS AFB
CSAF/ XOXXGIF WASHDC 4900 TH TEST GROUP/ FTOD/ KIRTLAND AFB
FROM SECSTATE MAY 14

QUOTE

C O N F I D E N T I A L STATE 091422

E. O. 11652: ADS- DECLAS WHEN APPROVALS REQUESTED HEREIN
HAVE BEEN GRANTED.

TAGS: OCLR/ MILI/ TPHY/ SP/ XA

SUBJECT: REQUEST FOR FOREIGN OPERATING RIGHTS, SOLAR
ECLIPSE EXPEDITION

1. US AIR FORCE IS SUPPORTING LOS ALAMOS SCIENTIFIC
LABORATORY (LASL) IN AIRBORNE SCIENTIFIC STUDY OF TOTAL
SOLAR ECLIPSE THAT WILL OCCUR OVER AFRICA ON JUNE 30, 1973.
STUDY WILL MEASURE CORONAL INTENSITIES AND POLARIZATIONS,
TIMING OF SECOND AND THIRD CONTACTS FOR STUDYING THE EARTH' S
ROTATION RATE, SCATTERING SOURCES OF THE CORONAL LIGHT,
SHADOW BANDS, AND SPECTROSCOPIC ANALYSIS OF THE SUN' S
CORONAS.

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2. USAF WILL USE INSTRUMENTED UNARMED NC-135 (BOEING 707 TYPE) AIRCRAFT, SERIAL NUMBER 60370. AIRCRAFT WILL OVERFLY SPECIFIC AREAS IN SPAIN, ALGERIA, MALI, AND NIGER ON THE DAY OF THE ECLIPSE AS WELL AS ON 65 AND 27 JUNE FOR PREPARATORY CALIBRATION AND TIMING PRACTICE FLIGHTS. FLIGHTS WILL STAGE OUT OF TORREJON AIR BASE, SPAIN, FLY THE PROFILES AS DESCRIBED IN THE BELOW, AND MAKE ONE REFUELING STOP, ON EACH DAY, AT NIAMEY, NIGER, PRIOR TO RETURNING TO STAGING BASE, VIA AIRWAYS. SINCE MISSION WILL NOT HAVE A SPARE AIRCRAFT, TORREJON AIR BASE IS PROPOSED FOR STAGING BECAUSE IT IS CLOSEST BASE TO OBJECTIVE AREA WHICH CAN PROVIDE ADEQUATE MAINTENANCE SUPPORT FOR THIS TYPE AIRCRAFT.

3. IN EVENT OF OBSCURATION IN PRIMARY AREA OF OBSERVATION, AN ALTERNATE PROFILE IS PROPOSED. THE FOLLOWING ITINERARIES WILL APPLY FOR THE FLIGHTS ON 25, 27, AND 30 JUNE 73, ALL TIMES ZULU:

A. PRIMARY PROFILE:

	POSITION	TIME	ALTITUDE	REMARKS
DEPART	TORREJON	0614		
	ALMERIA	0648	FL 280	AIRWAYS/ DIRECT ROUTING
	ORAN ES			
	SENIA	0703	FL 280	DIRECT ROUTING
	35-18 N			DIRECT
	00-09 E	0709	FL 280	ROUTING
	ABEAM			
	GHARDAIA	0743	FL 340	ADR DA 17
TURNING POINT	19-39 N 02-20 E	0923	FL 340	ADR DA 17/ ADR DB 16
ORBIT POINT	19-16 N 0356 E	0936	FL 390	DIRECT ROUTING

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ORBIT APPROXIMATELY ONE HOUR AND 52 MINUTES.

20-00 N			DIRECT
00-00 E	1240	FL 390	ROUTING
21-08 N			DIRECT
00-13 E	1250	FL 390	ROUTING

ARRIVE NIAMEY 1400 FL 390 DIRECT
ROUTING
DEPART NIAMEY 1700
ARRIVE TORREJON 2100 FL 320 ADR DB 16/
ADR DA 17
(REVERSE OF
OUTBOUND
ROUTING)

B. ALTERNATE PROFILE AND TIMES WILL BE THE SAME AS THE
PRIMARY ROUTING UP TO TURNING POINT. THEREAFTER:

POSITION TIME ALTITUDE REMARKS

19-23 N 03-24 E 0932 FL 390 DIRECT ROUTING

ORBIT

POINT 20-42 N 00-24 W 1011 FL 390 DIRECT ROUTING

ORBIT APPROXIMATELY ONE HOUR AND 4 MINUTES

18-34 N 00-47 E 1133 FL 390 DIRECT ROUTING

ORBIT

POINT 20-00 N 00-00 E 1148 FL 390 DIRECT ROUTING

ORBIT APPROXIMATELY 52 MINUTES

21-08 N 00-13 E 1250 FL 390 DIRECT ROUTING

ARRIVE NIAMEY 1400 FL 390 DIRECT ROUTING
DEPART NIAMEY 1700
ARRIVE TORREJON 2100 FL 320 ADR DB 16/ ADR
DA 17 (REVERSE
OF OUTBOUND

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ROUTING)

4. ALL ONBOARD TEST EQUIPMENT IS PASSIVE IN NATURE AND
DESIGNED FOR UPWARD LOOKING PURPOSES ONLY. EQUIPMENT IS
OWNED BY THE LOS ALAMOS SCIENTIFIC LABORATORY, LAWRENCE
LIVERMORE LABORATORY, SANDIA LABORATORIES, AND THE
UNIVERSITY OF CALIFORNIA, LOS ANGELES. PERSONNEL WILL
CONSIST OF SEVEN USAF AIRCREW MEMBERS COMMANDED BY
LT COL FARRON H. CHESTER AND 33 CIVILIAN SCIENTISTS, ALL
US CITIZENS. ADDITIONALLY, AN ITALIAN SCIENTIST, MR. A.
RIGHINI, OF THE SOLAR OBSERVATORY, FLORENCE, ITALY WILL
BE A PROPOSED MEMBER OF THE PARTY, PROVIDED THAT HOST
GOVERNMENTS APPROVE.

5. REQUEST ACTION ADDRESSEES SEEK APPROPRIATE HOST
GOVERNMENT APPROVAL FOR PROJECT AS DESCRIBED.

6. IN ADDITION, EACH ACTION ADDRESSEE MAY INVITE THE
HOST GOVERNMENT TO SEND ONE SCIENTIST ON 30 JUNE FLIGHT
AS AN OBSERVER. IT WOULD BE NECESSARY FOR EACH SUCH
PARTICIPANT TO MAKE OWN TRAVEL ARRANGEMENTS TO ENPLANE AND
DEPLANE AT MADRID. IT WOULD ALSO BE NECESSARY FOR
PARTICIPATING SCIENTISTS TO ARRANGE TO TRAVEL TO WEISBADEN
AIR BASE, GERMANY, FOR PHYSIOLOGICAL INDOCTRINATION
PRIOR TO FLIGHT. ONLY ALTITUDE CHAMBER IN THE AREA IS
LOCATED AT WEISBADEN AND AIR FORCE REGULATIONS REQUIRE
THAT ALL PASSENGERS WHO WILL TRAVEL ABOARD USAF JET
AIRCRAFT AT ALTITUDES ABOVE 18,000 FEET RECEIVE MEDICAL
EVALUATION AND ALTITUDE INDOCTRINATION BEFORE FLYING.

7. FOR USINT ALGIERS: DR. A. N. COX, OF LASL,
E E E E E E E

*** Current Handling Restrictions *** n/a

*** Current Classification *** CONFIDENTIAL

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